

SLP180-24

High Efficiency Multicrystalline PV Module

Electrical Characteristics	SLP180-24
Product code	180012401
Maximum power (Pmax)	180W
Voltage at Pmax (Vmp)	34.8V
Current at Pmax (Imp)	5.17A
Open-circuit voltage (Voc)	43.4V
Short-circuit current (Isc)	5.68A
Temperature coefficient of Voc	- (80 ± 10) mV/°C
Temperature coefficient of Isc	(0.065 ± 0.015) %/°C
Temperature coefficient of power	- (0.5 ± 0.05) %/°C
NOCT (Air 20°C; Sun 0.8kW/m² wind 1m/s)	47±2°C
Operating temperature	-40°C to 85°C
Maximum system voltage	1000V DC
Power tolerance	+10%/- 5%

*STC: Irradiance 1000W/m², AM1.5 spectrum, module temperature 25°C

*NOCT: Nominal operating cell temperature (the data is only for reference)

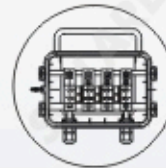
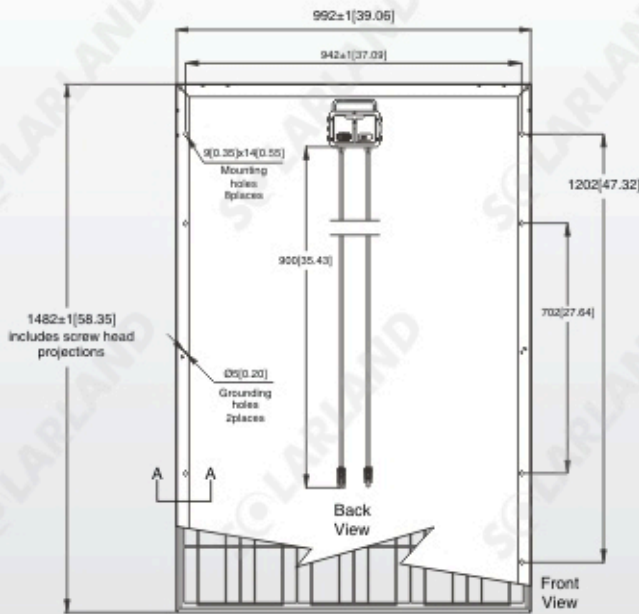


Module Diagram

Dimensions in brackets are in inches.

Un-bracketed dimensions are in millimeters.

Unit: mm[in.]



Junction Box
Top View (Lid Open)

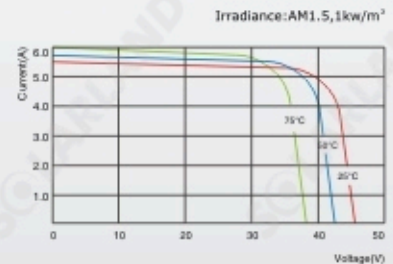


Section A-A

Features

- Nominal 24V DC for standard output.
- Outstanding low-light performance.
- Heavy-duty anodized frames.
- High transparent low-iron, tempered glass.
- Rugged design to withstand high wind pressure, hail and snow load.
- Aesthetic appearance.

Characteristics



SLP180-24 I-V Curves

Specifications	SLP180-24
Cells	Polycrystalline silicon solar cell
No. of cells and connections	72(6X12)
Module dimension	1482mm[58.35in.]x992mm[39.06in.]x50mm[1.97in.]
Weight	18.2kg[40.12lbs]
Packing information(Carton)	1525mm[60.04in.]x1035mm[40.75in.]x85mm[3.35in.]/(1pc/ctn)

*Limited warranty: 5-year limited warranty of materials and workmanship; 10-year limited warranty of 90% power output; 25-year limited warranty of 80% power output. For detail, please contact us.

*Specifications are subject to change without notice at any time.